REMARKS

Claims 1-15 are pending in the application wherein claims 1, 5-7 and 10 are independent.

By means of the present amendment, independent claims 1, 5-7 and 10 have been amended to place them in better form for appeal. Accordingly, entry of the present amendment and allowance of the present application in view of the amendments made above and the remarks to follow are respectfully requested.

The Final Office Action rejects claims 1-15 under 35 U.S.C. §103(a) over U.S. Patent No. 6,373,861 (Lee) in view of U.S. Patent No. 6,714,526 (Wei) and U.S. Patent Application Publication No. 2003/0185281 (Roh). It is respectfully submitted that claims 1-15 are patentable over Lee, Wei and Roh for at least the following reasons.

The Final Office Action correctly notes that Lee and Wei do not disclose or suggest the present invention as recited in independent claim 1, and similarly recited in independent claims 5-7 and 10 which, amongst other patentable elements, recites (illustrative emphasis provided):

wherein a <u>length of the IFW</u> is **greater than** a <u>channel delay spread of a transmission channel including a set of multi-paths</u> with associated time lengths, the channel delay spread being defined as a time length corresponding to an estimate of a difference between the time lengths of at least two different multi-paths.

Paragraphs [0011]-[0013] of Roh are cited in an attempt to remedy the deficiencies in Lee and Wei.

Roh is directed to a method for generating and allocating code pairs of orthogonal spreading codes so as to reduce a Peak-to-Average Power Ratio or extend the length of an Interference Free Window (IFW).

Paragraph [0011] of Roh discloses using Large Synchronization (LS) code that perfectly meet autocorrelation and crosscorrelation characteristics in a certain time-offset interval in the IFW.

Paragraph [0012] discloses that "the autocorrelation value is the maximum where no time-offsets exist, and 0 at any time-offsets in the IFW where the time-offsets are not 0. Also, according to the crosscorrelation characteristics of the LS codes, the crosscorrelation value is 0 at any time-offsets in the IFW."

As a result, as disclosed in Paragraph [0013], the

interference among the spreading codes allocated to users can be

removed in the multi-path channel environments where the path delay

time-offsets among the channel paths exist in the IFW.

It is respectfully submitted that Lee, Wei, Roh, and

combinations thereof, do not teach or suggest the present invention

as recited in independent claim 1, and similarly recited in

independent claims 5-7 and 10 which, amongst other patentable

elements, recites (illustrative emphasis provided):

> wherein a <u>length of the IFW</u> is **greater than** a
> <u>channel delay spread of a transmission channel</u>
> <u>including a set of multi-paths</u> with associated time
> lengths.

The length of the IFW is not even discussed in Lee, Wei and

Roh, let alone any particular length, such as an IFW length being

greater than a channel delay spread, as recited in independent

claims 1, 5-7 and 10. Roh merely discloses removing interference

where the path delay time-offsets among the channel paths exist in

the IFW by using Large Synchronization (LS) code that perfectly

meet autocorrelation and crosscorrelation characteristics in a

certain time-offset interval in the IFW.

Accordingly, it is respectfully submitted that independent

claims 1 and 5-7 and 10 allowable. In addition, claims 2-4, 8-9

and 15 should also be allowed at least based on their dependence

from independent claims 1, 5-7 and 10, as well as their

individually patentable elements. Accordingly, separate

consideration of each of the dependent claims is respectfully
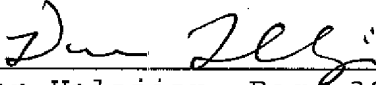
requested.

For example, the features of claims 11-15, namely, that "the

at least two different multi-paths include a longest path having a

maximum length and a shortest path having a minimum length," is

nowhere disclosed or suggested in Lee, Wei and Roh, alone or in

combination as correctly noted on page 8 of the Final Office

Action. Further, these features of claims 11-15 are not obvious in

view of paragraphs [0011]-[0013] of Roh, since these paragraphs are

merely related to autocorrelation and crosscorrelation

characteristics, and have nothing to do with particular lengths of

any paths. There is simply no disclosure or suggestion in

paragraphs [0011]-[0013] of Roh of lengths of any paths, let alone

the particular recitations of claims 11-15, namely, "the at least

two different multi-paths include a longest path having a maximum

length <u>and a shortest path</u> having a minimum length."   (Illustrative

emphasis provided)

In addition, Applicants deny any statement, position or

averment of the Examiner that is not specifically addressed by the

foregoing argument and response. Any rejections and/or points of

argument not addressed would appear to be moot in view of the

presented remarks. However, the Applicants reserve the right to

submit further arguments in support of the above stated position,

should that become necessary. No arguments are waived and none of

the Examiner's statements are conceded.

In view of the above, it is respectfully submitted that the

present application is in condition for allowance, and a Notice of

Allowance is earnestly solicited.

Respectfully submitted,

By _____

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